Date:

Monday, 1/8/2007 11:08:46 AM

User:

Kim Johnston

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

Job Number **Estimate Number**

: 30199 > : 10058

P.O. Number

: N/A

This Issue

: 1/8/2007

Prsht Rev.

First Issue **Previous Run** : NA : 29607

S.O. No. : N/A

Type : PURCHASED PARTS Part Number Drawing Number

Drawing Name

: D2622120C D2622 REV C1

: STEP EXTRUSION

Project Number

: N/A

Drawing Revision Material

Due Date

: 2/15/2007

Qty:

110 Um:

Each

Written By

Checked & Approved By

Comment

: Est. A:

New Issue

KJ/RF

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description:

CL07/01/09

1.0 PG

PURCHASING



Comment: PURCHASING

a) Extrude as per Dwg D2622 Rev. C

b) Material: 6061-T6 (QQ-A-200/8)

c) Minimum yield tensile strength = 35 ksi

d) Minimum ultimate tensile strength = 38 ksi

e) Minimum elongation = 8%

f) Order at 120" longg) Bon L Canada Inc. tool #897123 Rev. A

h) To be packed per DSK 066

i) Pull test to ASTM standard B221 required.

i) Material certification is required

D2622120CP

Extrusion





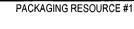
1.0000 Each(s)/Unit Total: 110.0000 Each(s)

Extrusion

PACKAGING 1

Comment: Qty.:







Comment: PACKAGING RESOURCE #1

Receive & Inspect For Transit Damage

Ensure material certification is attached

QC6 4.0

2.0

3.0





Comment: DIMENSIONAL CHECK

Inspect dimension per Dwg D2622

Check Pull test per Dwg D2622 for compliance page attached

Check hardness with Webster tester

Dart Aerospace Ltd

W/O: .		WORK ORDER CHANGE					
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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						. 1	
Part No	•	PAR #: Fault Category:	NCR: Yes	No DQA	D	Date:	403/29

QA: N/C Closed: ____ Date: ____

NCR:			WORK ORDER NON-CONFORMANCE (NCR)										
		Description of NC		Corrective Action Section B	Verification		Annroyal						
DATE STE		Section A	Initial Action Description Sign & Chief Eng Date			Section C	Approval Chief Eng	Approval QC Inspector					
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NOTE: Date & initial all entries

Date: Monday, 1/8/2007 11:08:46 AM User: Kim Johnston **Process Sheet** Customer: CU-DAR001 Dart Helicopters Services **Drawing Name: STEP EXTRUSION** Part Number: D2622120C Job Number: 30199 Job Number: Seq. #: Machine Or Operation: Description: PACKAGING RESOURCE #1 5.0 PACKAGING 1 Comment: PACKAGING RESOURCE #1 FF 07-03-28 MM Identify and Stock Location: FINAL INSPECTION/W/O RELEASE 6.0 QC21 07/03/29 Comment: FINAL INSPECTION/W/O RELEASE Job Completion U A103.29

Dart Ae	rospac	e Ltd						ı	
W/O:			W	ORK ORDER CHANGE	S			1	
DATE	STEP	PRO	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
								:	
Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	No DQ	\ :	_ Date: _	
					QA: N	I/C Closed	d:	_ Date: _	
NCR:		1:- 1	WORK ORD	ER NON-CONFORMAN	ICE (NCF	₹)			
		Description of NC	,,*	Corrective Action Section		Verific	ation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date	Section		Chief Eng	QC Inspector
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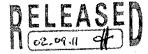
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NOTE: Date & initial all entries

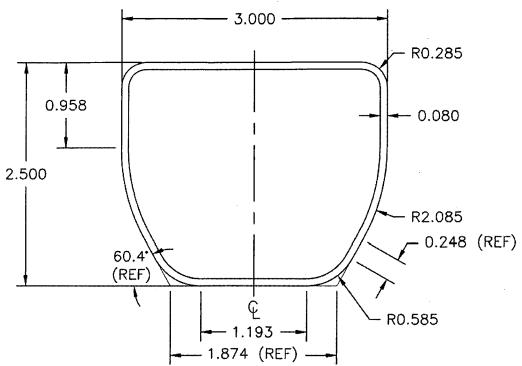




DESIGN KE DRAWN BY			DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA							
	CHEC	KED W	APPROVED	DRAWING NO.	REV. C						
		H	9	D2622 SHE	ET 1 OF 1						
	DATE			TITLE	SCALE						
	02.0	9.11		STEP EXTRUSION	1:1						
	Α		96.11.29	NEW ISSUE							
	В		97.12.12	CHANGE MATERIAL, ADD TOL. QSI							
	С		02.09.11	0.080 WAS 0.085; ADD PART &	DIE No.						



02.0	09.11	STEP EXTRUSION	1:1
Α	96.11.29	NEW ISSUE	
В	97.12.12	CHANGE MATERIAL, ADD TOL. QSI	
С	02.09.11	0.080 WAS 0.085; ADD PART & DIE 1	٧٥.
CI	A (P 02.10.04	ADD 'REV. A' TO DIE NUMBER.	
	•	1	



D2622-XXX STEP EXTRUSION

- 1) PART NUMBER IS D2622-XXX WHERE 'XXX' IS CUT LENGTH IN INCHES (EG. D2622-120 IS 120" LONG)
- 2) MATERIAL 6061-T6 (QQ-A-200/8)
- 3) MANUFACTURED USING BON-L DIE # 897123 REV. A /EN
- 4) A SAMPLE FROM EACH BATCH WILL BE PULL TESTED TO ASTM STANDARD B221 BY AN APPROVED TESTING FACILITY TO ENSURE THAT THE BATCH MEETS THE MINIMUM MECHANICAL PROPERTIES STATED BELOW:

MINIMUM TENSILE YIELD STRENGTH = 35 ksi MINIMUM ULTIMATE TENSILE STRENGTH = 38 ksi MINIMUM ELONGATION = 8%

SHOP COPY RETURN TO ENGINEERING UNCONTROLLED COP SUBJECT TO AMENDMEN WITHOUT NOTICE

- 5) PART IS SYMMETRIC ABOUT CENTERLINE
- 6) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 7) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

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BON L CANADA INC

500 EDWARD AVENUE RICHMOND HILL, ON L4C 4Y9

CERTIFICATE OF COMPLIANCE

Cod Siste	Cost No.	Sales Order	Раси
02/21/07	155352	54403	1
	BUILDIO	101	Date
2832	00335165	54403010	2/21/07

DART AEROSPACE LTD. 1270 ABERDEEN ST.

HAWKESBURY, ON K6A 1K7

DART AEROSPACE LTD.

1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7

Hem No	Part No Ite	m Description		Cust Part	
1.000	DAA-897123-1	120" Mill 6061 T6		D2622	
Gross Weight	996 LBS				
Net City	904 LB	105 PC	1050 FT	3 PKG	
Specification			Die De	SC .	

AMS-QQ-A-200/8 & ASTM B221-00

Mech Test No.	-	Tests ensile A / KS			Yield / KSI		%E1ong	gation		nductiv	ity	Bend/ Drift	HREW
1	319.	3 / 46	.3	272.4	/ 39.	5 5		11.5			.0		96
Chem SI	ical A	nalysi CU	s: MN	MG	CR	NI	ZN	GA	٧	TI	ZR	OTI	HER
••••											• • •		

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This will certify that the material described herein has been inspected and tested in accordance with Bon L Canada's standard sampling and testing procedures or in accordance with the requirements of any specifications forming a part of the material description to the extent indicated herein. Datâ of chemical composition for the material and test results from samples representative of the material are set forth above hereof or in any attachments hereto. This information shows that the material meets the applicable requirements. Inspection and test records are maintained on file. This certificate shall be deemed apart of and subject to the terms and conditions of warranty set forth on the reverse side of our order acknowledgement form. No other warranties are applicable.

D. VanBakel, QA Manager Signed for Bon L Canada

DA12188